

L95 ANSWER 23 OF 40 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:274689 HCAPLUS

DN 132:267648

TI Secondary nonaqueous electrolyte **batteries**

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PA Gs Melcotec K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT **Patent**

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000123834	A	20000428	JP 1998-288495	19981009 <--
PRAI	JP 1998- <u>288495</u>		19981009	<--	
AB	The batteries use Li intercalating anodes and Li _{1-x} CoMg _x O ₂ (0 < x ≤ 0.05) or Li _{1-y} CoCa _y O ₂ (0 < y ≤ 0.002) solid solution as cathode active mass. The cathode active mass may also contain Fe ≤ 0.1, Cu ≤ 0.1, Na ≤ 0.5, Si ≤ 0.5, and Ni ≤ 0.5%.				
IC	ICM H01M0004-58 ICS H01M0004-02; H01M0010-40				
CC	52-2 (Electrochemical, Radiational, and Thermal Energy Technology)				
ST	battery lithium cobalt oxide cathode compn; magnesium lithium cobalt oxide cathode battery ; calcium lithium cobalt oxide cathode battery				
IT	Battery cathodes (compsn. of substituted lithium cobaltate for cathodes in secondary lithium batteries)				
IT	7439-95-4, Magnesium, uses 7440-70-2 , Calcium, uses RL: MOA (Modifier or additive use) ; USES (Uses) (compsn. of calcium and magnesium substituted lithium cobaltate for cathodes in secondary lithium batteries)				
IT	12190-79-3 , Cobalt lithium oxide (CoLiO ₂) 263571-08-0 , Cobalt lithium magnesium oxide (CoLi _{0.99} Mg _{0.01} O ₂) 263571-09-1 , Cobalt lithium magnesium oxide (CoLi _{0.98} Mg _{0.02} O ₂) 263571-10-4 , Cobalt lithium magnesium oxide (CoLi _{0.96} Mg _{0.04} O ₂) 263571-11-5 , Cobalt lithium magnesium oxide (CoLi _{0.9} Mg _{0.1} O ₂) RL: DEV (Device component use); USES (Uses) (compsn. of substituted lithium cobaltate for cathodes in secondary lithium batteries)				
IT	7439-89-6, Iron, miscellaneous 7440-02-0 , Nickel, miscellaneous 7440-21-3, Silicon, miscellaneous 7440-23-5 , Sodium, miscellaneous 7440-50-8, Copper, miscellaneous RL: MSC (Miscellaneous) (controlled impurities in substituted lithium cobaltate for cathodes in secondary lithium batteries)				
IT	7440-70-2 , Calcium, uses RL: MOA (Modifier or additive use) ; USES (Uses) (compsn. of calcium and magnesium substituted lithium cobaltate for cathodes in secondary lithium batteries)				
RN	7440-70-2 HCAPLUS				
CN	Calcium (CA INDEX NAME)				

Ca

IT **12190-79-3**, Cobalt lithium oxide (CoLiO₂) **263571-08-0**,